

ROBERT E. BUSHNELL,†

**R. E. BUSHNELL**

INTELLECTUAL PROPERTY LAW

ATTORNEY AT LAW

1522 K STREET, N.W., SUITE 300  
WASHINGTON, D.C. 20005-1202  
UNITED STATES OF AMERICA

TELEPHONE (202) 408-9040

FACSIMILE (202) 289-7100

FACSIMILE (202) 628-3835

FACSIMILE (410) 747-0022

E-MAIL: REBUSHNELL@AOL.COM

31 January 2002

JOSEPH G. SEEBER<sup>o</sup>  
JOHN C. BROSKY<sup>o</sup>+\* **j1130 U.S. PTO**  
DARREN R. CREW+\*  
MATTHEW J. LESTINA†  
SARYADVINDER S. SAHOTA‡  
RICHARD H. STERN<sup>o</sup> **01/31/02**

MICHAEL D. PARKER  
DANIEL A. GESELOWITZ, PH.D.  
(REG. PATENT AGENTS)

† ADMITTED IN MARYLAND  
o ADMITTED IN VIRGINIA  
+ ADMITTED IN PENNSYLVANIA  
‡ ADMITTED IN NEW YORK  
o ADMITTED IN CONNECTICUT  
\* NOT ADMITTED IN D.C.

Assistant Commissioner for Patents  
Washington, D.C. 20231

- ☐ U.S. Postal Service  
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Attorney Docket: P55890A

Sir:

Submitted herewith is the following patent application:

**Inventor:** 1) SUNG-KOOG OH  
2) MAN-SEOK SEO  
3) JIN-SEONG YANG  
4) MUN-HYUN DO

**Title:** OPTICAL FIBER PREFORM MANUFACTURING METHOD  
FOR SHRINKAGE AND CLOSING OF DEPOSITED TUBE  
(As Amended)

Please find attached hereto a **divisional application** of the prior application, Serial No. 09/457,392 filed in the U.S. Patent & Trademark Office on 9 December 1999, which includes: Specification and Abstract, Claims, original Declaration And Power of Attorney, and a certified copy of the foreign priority document identified below:

Also, please enter the attached Preliminary Amendment, prior to calculating the filing fee for the application.

Verified Showing of Small Entity Status: **NO**

Drawings: Formal drawings, 4 sheets, Figures 1 through 4B

Claim of priority under 35 U.S.C. §119: **YES**

\*\* The Republic Of Korea Application No. 54193/1998 filed on 10 December 1998.

**FEE (see formula below): CHECK IS ENCLOSED (#40991)**

**Basic Fee** \$370/740 ..... **\$740.00**

**Additional Fees:**

Total number of claims in excess of 20: 1 times \$9/18 . **\$18.00**

Number of independent claims in excess of 3: \_\_\_\_\_ times \$42/84 ..... **\$0.00**

Multiple Dependent Claims \$140/280 ..... **\$0.00**

An Assignment is likewise enclosed: Recording Fee \$40 . . **\$0.00**

Filing Non-English specification ..... **\$0.00**

**TOTAL FEES FOR THE ABOVE APPLICATION ..... \$758.00**

Assistant Commissioner for Patents  
31 January 2002  
Page Two

Docket No.: P55890A

**Inventor:** 1) SUNG-KOOG OH  
2) MAN-SEOK SEO  
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**Title:** OPTICAL FIBER PREFORM MANUFACTURING METHOD  
FOR SHRINKAGE AND CLOSING OF DEPOSITED TUBE  
(As Amended)


Assistant Commissioner is authorized to charge our Deposit Account No. 02-4943 for any additional charges necessary towards payment of the filing fee for the above-referenced application. Please notify the undersigned attorney of any transaction regarding our Deposit Account.

In view of the above, it is requested that this application be accorded a filing date pursuant to 37 CFR 1.53(b).

Please address all correspondence to:

Robert E. Bushnell  
1522 K Street, N.W.  
Suite 300  
Washington, D.C. 20005

Respectfully submitted,

  
\_\_\_\_\_  
Robert E. Bushnell  
(Registration No. 27,774)  
Payor No.: 008-439  
Attorney for the Applicant  
1522 K Street, N.W.  
Suite 300  
Washington, D.C. 20005

Telephone: (202) 408-9040  
Telefacsimile: (202) 628-0755

REB/sb

**FEE TRANSMITTAL**

Patent fees are subject to annual revision.

**Complete If Known**

Application Number	To be Assigned
Filing Date	31 January 2002
First Named Inventor	SUNG-KOOG OH et al.
Examiner Name	To be Assigned
Group/Art Unit	To be Assigned
Attorney Docket No.	P55890A (divisional application)

TOTAL AMOUNT OF PAYMENT

(\$)**758.00****METHOD OF PAYMENT (check one)****FEE CALCULATION (continued)**

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number: **02-4943**

Deposit Account Number: \_\_\_\_\_

☐ Charge Any Additional Fee Required Under 37 C.F.R. §1.16 and 1.17.

☐ Applicant claims small entity status. See 37 CFR 1.27
**3. ADDITIONAL FEES**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge-late filing fee or oath	\$
127	50	227	25	Surcharge-late provisional filing fee or cover sheet	\$
139	130	139	130	Non-English specification	\$
147	2,520	147	2,520	For filing a request for reexamination	\$
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	\$
113	1,840 *	113	1,840*	Requesting publication of SIR after Examiner action	\$
115	110	215	55	Extension for reply within first month	\$
116	400	216	200	Extension for reply within second month	\$
117	920	217	460	Extension for reply within third month	\$
118	1,440	218	720	Extension for reply within fourth month	\$
128	1,960	228	980	Extension for reply within fifth month	\$
119	320	219	160	Notice of Appeal	\$
120	320	220	160	Filing a brief in support of an appeal	\$
121	280	221	140	Request for oral hearing	\$
138	1,510	138	1,510	Petition to institute a public use proceeding	\$
140	110	240	55	Petition to revive - unavoidable	\$
141	1,280	241	640	Petition to revive - unintentional	\$
142	1,280	242	640	Utility issue fee (or reissue)	\$
143	460	243	230	Design issue fee	\$
144	620	244	310	Plant issue fee	\$
122	130	122	130	Petitions to the Commissioner	\$
123	50	123	50	Petitions related to provisional applications	\$
126	180	126	180	Submission of Information Disclosure Statement	\$
581	40	581	40	Recording each patent assignment per property (Times number of properties)	\$
146	740	246	370	Filing a submission after final rejection (37 C.F.R. §1.129(a))	\$
149	740	249	370	For each additional invention to be examined (37 C.F.R. §1.129(b))	\$
Other Fee (specify) _____					\$
Other Fee (specify) _____					\$

\*\* Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) \$0.00****FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	\$740.00
106	330	206	165	Design filing fee	\$
107	510	207	255	Plant filing fee	\$
108	740	208	370	Reissue filing fee	\$
114	160	214	80	Provisional filing fee	\$

**SUBTOTAL (1) (\$)740.00****2. EXTRA CLAIM FEES**

			Extra Claims	Fee from below	Fee Paid
Total claims	21	-20** =	1	x \$18.00	= \$18.00
Independent Claims	3	-3** =		x	=

Multiple Dependent

\*\* or number previously paid, if greater; For Reissues, see below

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2) (\$)18.00****SUBMITTED BY****Complete (if applicable)**

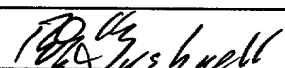
Typed or Printed Name

**Robert E. Bushnell, Esq.**

Reg. Number

**27,774**

Signature



Date

31 January 2002

Deposit Account User ID

REB/sb

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

SUNG-KOOG OH et al.

Serial No.: *to be assigned*

Examiner: *to be assigned*

Filed: 31 January 2002

Art Unit: *to be assigned*

For: OPTICAL FIBER PREFORM MANUFACTURING METHOD FOR SHRINKAGE  
AND CLOSING OF DEPOSITED TUBE (As Amended)

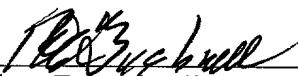
**TRANSMITTAL OF DECLARATION**

Assistant Commissioner  
for Patents  
Washington, D.C. 20231

Sir:

This transmittal accompanies the executed Declaration filed in the prior application, Serial  
No. 09/457,392, and filed in the U.S. Patent & Trademark Office on 9 December 1999.

Respectfully submitted,

  
\_\_\_\_\_  
Robert E. Bushnell,  
Attorney for the Applicant  
Registration No.: 27,774

Suite 300, 1522 "K" Street, N.W.  
Washington, D.C. 20005  
(202) 408-9040

Folio: P55890A  
Date: 31 January 2002  
I.D.: REB/sb